Attachment C

Pages MU0020371, MU0020373, and MU0020388 of Exhibit A1 included with the Declaration of Craig Hansen Under 37 CFR § 1.313 filed on September 18, 2009

(3 pages)

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Major Operation Codes

MAJOR	0	32	64	96	128	160	192	224
0	ERES	GSHUFFLEI	FMULADD16	GMULADD1	LU16LAI	SAAS64LAI	EADDIO	BFE16
1	ESHUFFLEI4MUX	GSHUFFLEI4MUX	FMULADD32	GMULADD2	LU16BAI	SAAS64BAI	EADDIUO	BFNUE16
2		GSELECT8	FMULADD64	GMULADD4	LU16LI	SCAS64LAI	ESETIL	BFNUGE16
3	EMDEPI	GMDEPI		GMULADD8	LU16BI	SCAS64BAI	ESETIGE	BFNUL16
4	EMUX	GMUX	FMULSUB16	GMULADD16	LU32LAI	SMAS64LAI	ESETIE	BFE32
5	E8MUX	G8MUX	FMULSUB32	GMULADD32	LU32BAI	SMAS64BAI	ESETINE	BFNUE32
6	EGFMUL64	GGFMUL8	FMULSUB64	GMULADD64	LU32LI	SMUX64LAI	ESETIUL	BFNUGE32
7	ETRANSPOSE8MUX	GTRANSPOSE8MUX		GEXTRACT128	LU32BI	SMUX64BAI	ESETIUGE	BFNUL32
8					L16LAI	S16LAI	ESUBIO	BFE64
9	ESWIZZLE	GSWIZZLE		GUMULADD2	L16BAI	S16BAI	ESUBIUO	BFNUE64
10		GSWIZZLE.COPY		GUMULADD4	L16LI	S16LI	ESUBIL	BFNUGE64
11		GSWIZZLE.SWAP		GUMULADD8	L16BI	S16BI	ESUBIGE	BFNUL64
12	EDEPI	GDEPI	F.16	GUMULADD16	L32LAI	S32LAI	ESUBIE	BFE128
13	EUDEPI	GUDEPI	F.32	GUMULADD32	L32BAI	S32BAI	ESUBINE	BFNUE128
14	EWTHI	GWTHI	F.64	GUMULADD64	L32LI	S32LI	ESUBIUL	BFNUGE128
15	EUWTHI	GUWTHI		GUEXTRACT128	L32BI	S32BI	ESUBIUGE	BFNUL128
16			GFMULADD16	GEXTRACTI	L64LAI	S64LAI	EADDI	BANDE
17			GFMULADD32	GEXTRACTI16	L64BAI	S64BAI	EXORI	BANDNE
18			GFMULADD64	GEXTRACTI32	L64LI	S64LI	EORI	BLBLZ
19			GFMULADD128	GUEXTRACTI64	L64BI	S64BI	EANDI	BGE/BGEZ
20			GFMULSUB16	GEXTRACT	L128LAI	S128LAI	ESUBI	BE
21			GFMULSUB32	.I.64	L128BAI	S128BAI		BNE
22			GFMULSUB64	G.EXTRACT	L128LI	S128LI	ENORI	BUL/BGZ
23			GFMULSUB128	.I.128	L128BI	S128BI	ENANDI	BUGE/BLEZ
24				G.1	L8I	S8I		BGATEI
25				G.2	LU8I			
26				G.4				
27				G.8				
28			GF.16	G.16			ECOPYI	BI
29			GF.32	G.32				BLINKI
30			GF.64	G.64				
31			GF.128	G.128	L.MINOR	S.MINOR	E.MINOR	B.MINOR

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Minor Operation Codes: E, G

E.MINOR	0	8	16	24	32	40	48	56
0	EADDO	ESUBO	EANDN		EADD	ESUB	ESHLIO	ESHRI
1	EADDUO	ESUBUO	EXOR		ESHLO	ESHLUO		
2	ESETL	ESUBL	EOR				ESHLIUO	EUSHRI
3	ESETGE	ESUBGE	EAND		ELMS	EULMS		
4	ESETE	ESUBE	EORN		EASUM	ESELECT8	ESHUFFLEI	EROTRI
5	ESETNE	ESUBNE	EXNOR		EROTL	ESHL		
6	ESETUL	ESUBUL	ENOR		ESHR	EUSHR	ESHLI	EMSHRI
7	ESETUGE	ESUBUGE	ENAND		EROTR	EMSHR		

G.size	0	8	16	24	32	40	48	56
0		GMUL	GANDN		GADD	GSUB	GEXPAND	GSHR
1		GUMUL	GXOR		GCOMPRESS	GUCOMPRESS	↓	↓
2	GSETL	GDIV	GOR				GUEXAPAND	GUSHR
3	GSETGE	GUDIV	GAND				↓	↓
4	GSETE	GSUB	GORN		GEXPAND	GUEXPAND	GCOMPRESSI	GROTR
5	GSETNE		GXNOR		GROTL	GSHL	GUCOMPRESS	↓
6	GSETUL		GNOR		GSHR	GUSHR	GSHL	GMSHR
7	GSETUGE		GNAND		GROTR	GMSHR	↓	↓

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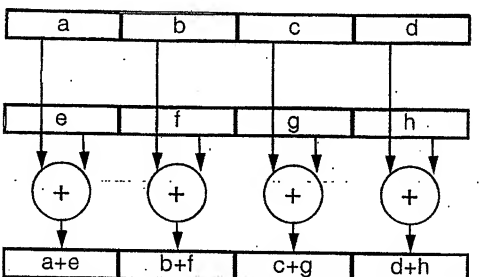
Group Add



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